Sep 27 99 01:55p Applied Motion Products 831 761-6544 p.

SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 19 G-CM ^{2} (0.1 OZ-IN^2) REF
STEP ANGLE: 1.8°	HOLDING TORQUE: 1.8K G-CM (25 OZ-IN)MIN [1]
STEP TO STEP ACCURACY: ± 5 % [1], [2]	DETENT TORQUE: 144 G-CM (2.0 OZ-IN)± 50%
POSITIONAL ACCURACY: ± 5 % [1], [3]	DYNAMIC TORQUE:1.2KG-CM(17 OZ-IN)MIN @ 1KPPS [10]
HYSTERESIS: %	INSULATION CLASS: B
WINDING RESISTANCE: 3.4 OHM ± 10% AT 25° [7]	BEARINGS: ABEC 3, DOUBLE SHIELDED
WINDING INDUCTANCE: 4.6 mH ± 20% [8]	
PHASE VOLTAGE: 3.4 VDC	TEMP. RISE: 80 °C MAX. [9]
PHASE CURRENT: 1.2 AMP (RATED)	OPERATING TEMP. RANGE: -20 TO 50 °C
	STORAGE TEMP. RANGE: -40 TO 70°C
SHAFT RUNOUT: 0.013 TIR	RELATIVE HUMIDITY RANGE: 5 TO 95 %
RADIAL PLAY: 0.01 MAX AT .45KG RADIAL LOAD.	
END PLAY: 0.01 MAX AT 0.9KG AXIAL LOAD.	

5015-858

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
3614	A	INITIAL RELEASE	1/31/91	K. Kordik
3902	B	MULTIPLE CHANGES SEE ECO	11-2-94	K. Kordik

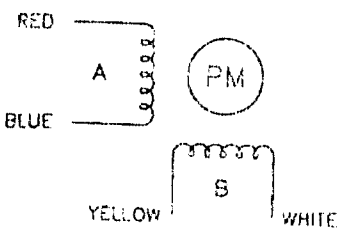
NOTES, UNLESS OTHERWISE SPECIFIED:

[1] MEASURMENTS MADE AT RATED CURRENT IN EACH PHASE.
[2] BETWEEN ANY TWO ADJACENT STEP POSITIONS.
[3] MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
5. LEADS: 4 ,AWG 24 ,7 STRAND MIN.,UL AND CSA APPROVED, UL 1430.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
[7] AS MEASURED ACROSS ANY WINDING.
[8] AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
[9] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
[10] USING 34 VDC, CHOPPER DRIVER, 1.0 AMP/PHASE.
11. FRONT AND REAR END BELL ARE UNPAINTED ALUMINUM.

ISSUED
MAR 5 1997
APPLIED MOTION ENGINEERING

SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END

STEP	RED	BLUE	YELLOW	WHITE
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-



CONTRACT NO. DM 20-2018-01 / B		APPLIED MOTION PRODUCTS, INC.	
APPROVALS	DATE	STEP MOTOR OUTLINE	
DRAWN R. BARRICK	1/28/91		
CHECKED B. Corsen	1/31/91		
APPROVED K. Kordik	1/31/91	B COMPUTER DATA BASE DRAWING	DWG NO. 5015-858 REV B
APPROVED		SCALE: FULL	SHEET 1 OF 2